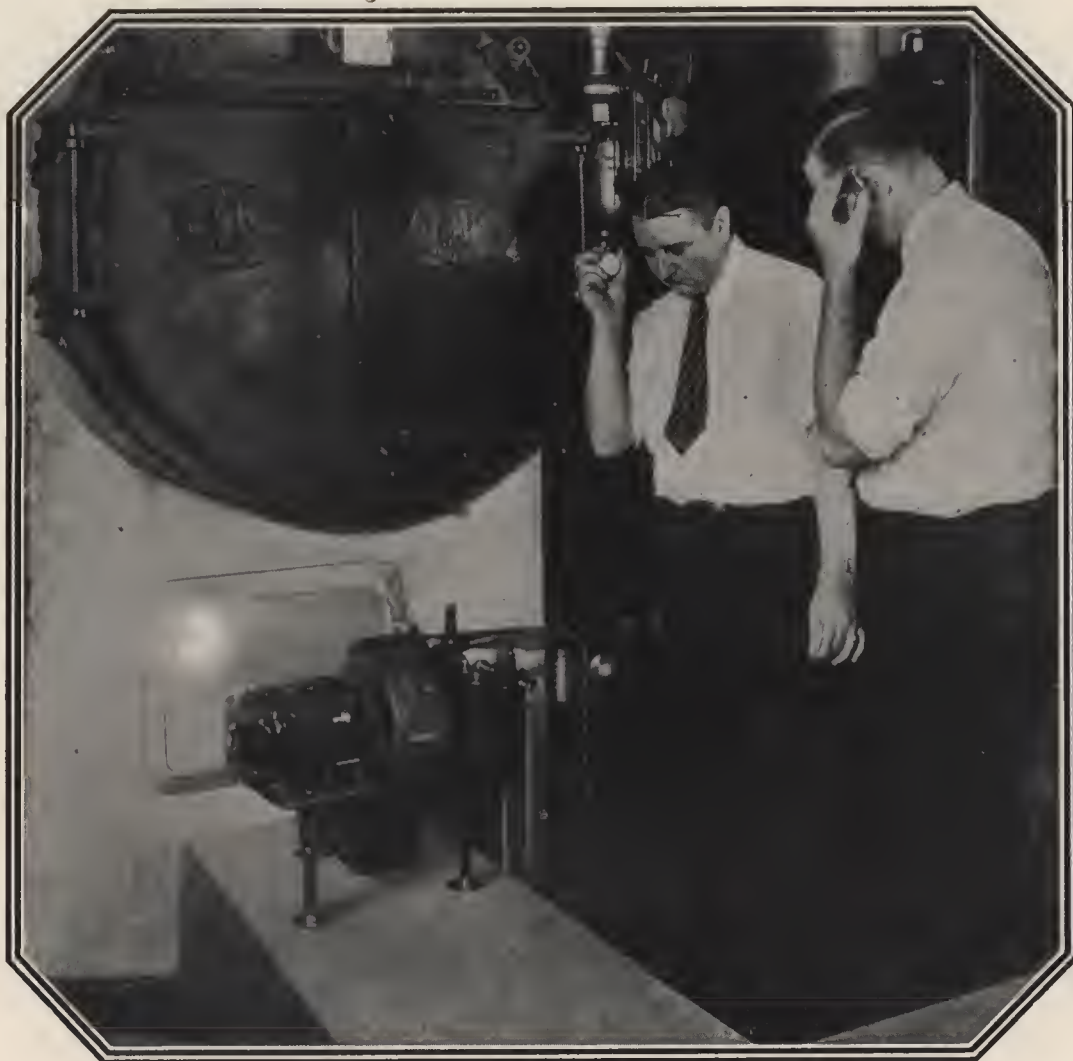




Photographic reproduction of engineers putting a successful watch tick test to a Model 3800 Progressive Rotation Burner using 14 $\frac{2}{7}$ ths gallons per hour No. 4 Oil.

**so quiet they heard the
watches tick!**



*it is a Progressive Rotation
burner by Silent Glow*



Model 1800
2½ to 6 gals. per hour



Model 2800
4 to 9½ gals. per hour

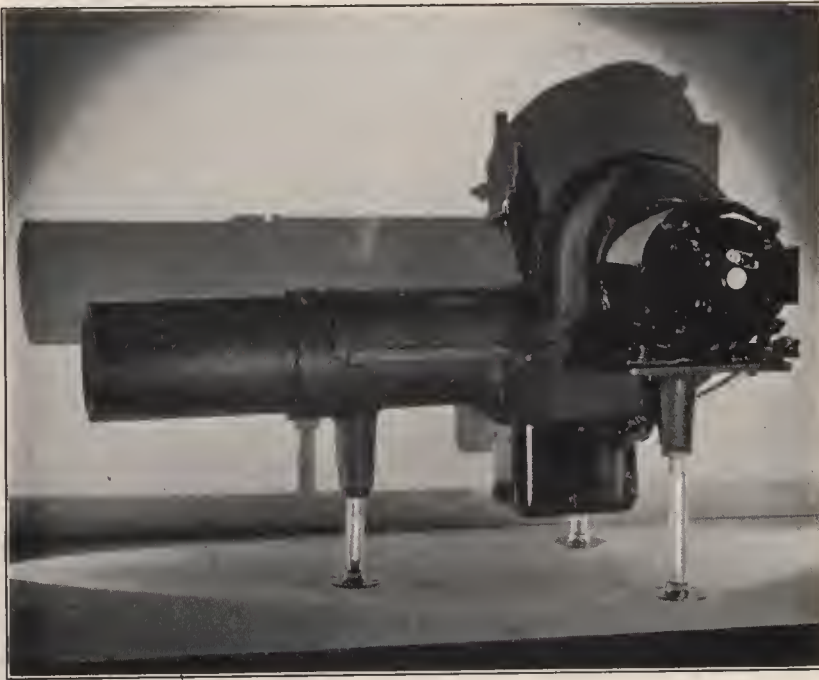
PROGRESSIVE ROTATION is not only

so quiet - and yet this quietness is but the product of more important perfections made possible by Progressive Rotation

The aim of all manufacturing today is simplification--reducing products to their most simple form and at the same time increasing their effectiveness. Recognizing this trend Silent Glow has stepped far ahead in the oil burning industry in so minimizing friction vibration, wear and tear, and consequently noise in their PROGRESSIVE ROTATION burners that when operating at full speed, burning 14 2/7ths gallons of No. 4 oil per hour, the ticking of a watch could be heard!

There exists in this accomplishment more than conquering noise and its causes. There is the realism that engineering, creation of new principles of mixing air and oil, and manufacturing skill, have brought to you Progressive Rotation that will mean new economies not only in operating performance but upkeep costs. The pleasures of quietness, full automatic electric operation, absolute temperature control, are the results of more important engineering perfections, providing you with an equipment that will be modern five to ten years hence.

Progressive



Model 3800
6 to 13 gals. per hour

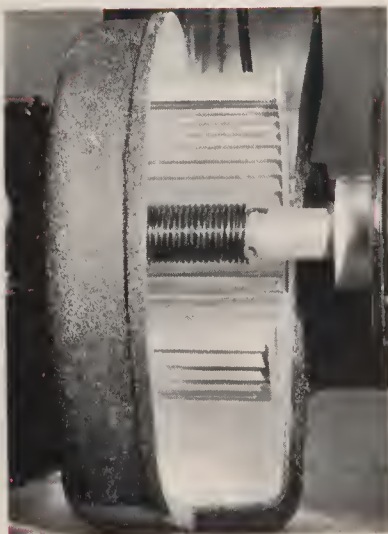
This cutaway illustration vividly pictures the heart of Progressive Rotation. The air from the statically balanced fan, is delivered into the air tube where it enters the Progressive Rotation zone. Note the cast rifling. As the air enters this zone, it is taken by the rifling and the entire body of air is rotated. As this body of air nears the end of the tube, the pitch of the rifling is increased so that when delivered into the atomized oil a definite co-mingling of air and oil takes place. The rotating flow of air and oil expands around and through the atomized oil. There is no impingement of air and oil at right angles! There are no air eddies! No vacuum is set up behind tubulator blades!

We have eliminated turbulence! We have created Progressive Rotation of air so that a perfect co-mingling of a cone of rotating air is surrounding a cone of finely atomized oil.

manufacturing fineness - - it is the triumph

Flex-ile drive--see this amazing Silent Glow invention-

Remove three screws and all moving parts are at your finger tips



The grinding shock of starting a burner has been transformed into a smooth, co-ordinated movement by our Flex-ile drive.

Further, this tempered steel spring coil, at the start, serves the very important function of bringing the motor up to speed and co-ordinating motor speed, pump speed, delivery of air and oil to the combustion chamber in exact proportions so that the common starting puff caused by the absence of this co-ordination and has been entirely eliminated.

Note three important engineering facts on the illustration to the right.

First—is so constructed that removing the cover, by means of three convenient screws, the entire burner is open before you. Every part is accessible from the one position. This simplicity permits one part to do the work formerly requiring seven parts.

Second—note the short leads from the shielded and protected transformer terminals to the electrode assembly. The short leads are not only more desirable to the Underwriters' Laboratories, but assist the radio eliminator in the transformer to really eliminate radio interference.

Third—the compact nature of the entire equipment. A thoroughbred.



Rotation



The aim of the industry, since its inception is realized in the flame results produced by Progressive Rotation. No harsh clashing of air and oil at right angles, no massing of oil in spots to cause uneven fire and carbon accumulation. The flame is a perfect balance of co-mingled air and oil producing a softly, fluffy, bushy ball of suspended rotating fire.

The ideal flame, not only for hot water boilers and steam plants, but for hot air furnaces because the soundless combustion does not send annoying rumbles up the heat pipes.

Note on the illustration, the compact symmetry of construction and as a minor evidence of manufacturing fine-ness observe that even the electric ignition points are shaped and ground.

ph in flame perfection by SILENT GLOW

There Are Definite Reasons Why You Should buy SILENT GLOW PROGRESSIVE ROTATION

Definite reasons motivate all of us in our purchases. Here is a summary of reasons why Silent Glow Progressive Rotation will provide you with more for your money in performance and also contribute the desirable quality of quietness heretofore absent in oil burning equipment of these capacities.

QUIETNESS—Silent Glow has conquered noise by removing its causes. Our flex-ile drive takes away the starting shock and provides a smooth easy movement. No wear and tear on the moving parts in starting and therefore an assurance of a smoother performance in operation. No distortion. Progressive Rotation delivers to the combustion chamber a balanced ration of air and oil not only at the start, but at all times. No starting puff.

The power unit consisting of motor, pump and fan is completely insulated from the burner casting through spring mounting and heavy cushioned gaskets, thus removing all vibrations!

PERFORMANCE—Silent Glow brings you Progressive Rotation with its perfect flame and utter absence of pulsation, floating fire or center firing. The intermittent ignition permits a flame starting $2\frac{1}{2}$ inches from the end of the Progressive Rotation tube freeing the burner from coking of the nozzle, as well as serious deterioration to vital parts of the burner such as nozzle, electrodes, tube, caused by direct flame impingement and presence of constant spark.

SIMPLICITY and COMPACTNESS—Mono-cast body permitting one piece to do the work usually requiring seven. Flex-ile drive provides automatic alignment, removing the common fault of misalignment. The cover is removed by simply removing three screws and before you is revealed all the operating parts. No tribulators or other obstructions in the tube.

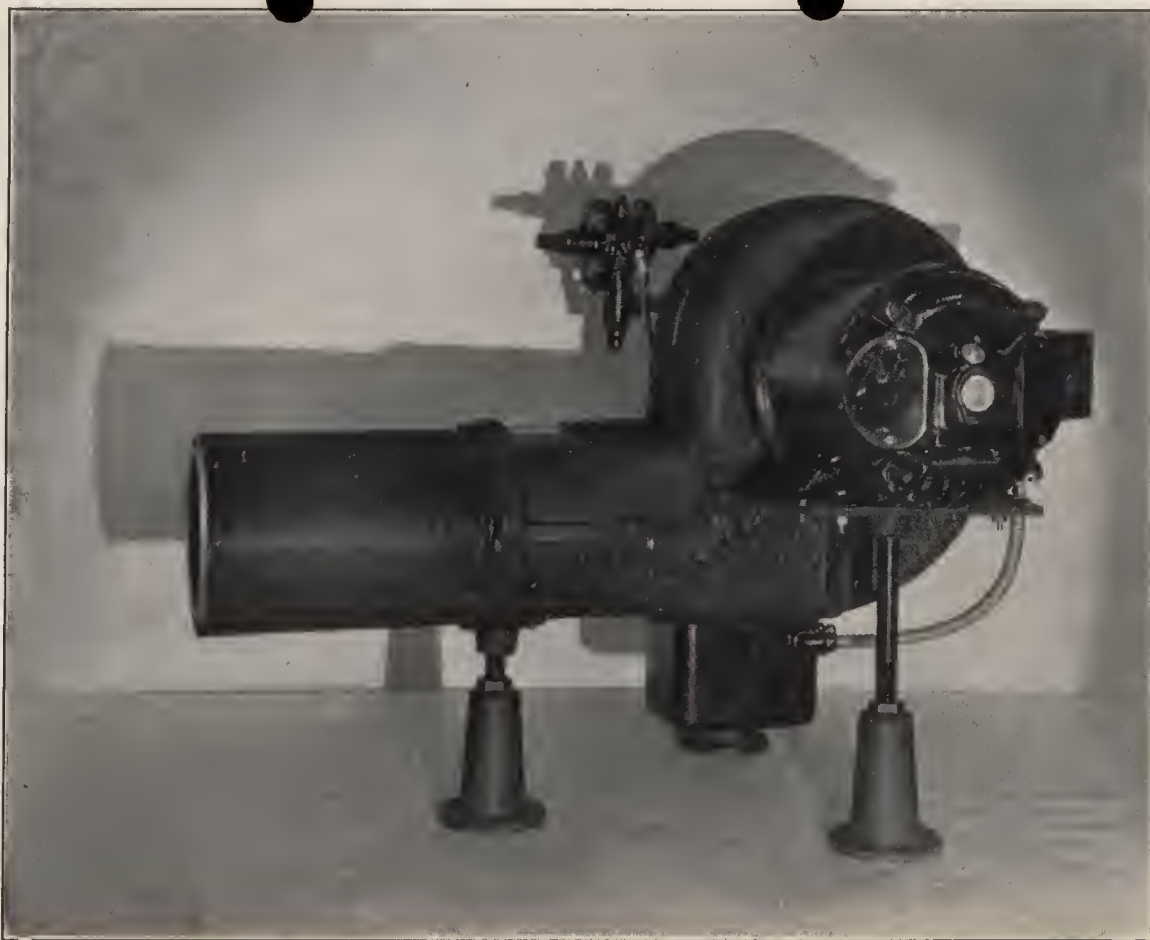
LOW COST—The initial cost is low. More important however are the low operating costs. Intermittent electric ignition plus the fact that Progressive Rotation and Flex-ile drive permit smaller motors than are usually required in the capacities of our Progressive Rotation burners introduces an economy factor that cuts electric bills in half.

All factory tests were conducted with a No. 4 fuel oil. This, and No. 3 or 2S-30 Baume are cheap fuel oils and with both of these fuels, Progressive Rotation provides a performance efficiency that brings new economies in oil consumption.

The construction simplicity and operating smoothness removes service worries for years to come.

BURNER BACKGROUND—One of the pioneers in the oil burner industry. Silent Glow record of stability and policy of business conduct provide confidence to the buyer that his purchase today will be Silent Glow recognized ten years from today as are the users today who purchased Silent Glow equipment ten and twelve years ago. Silent Glow's entire factory engineering skill and manufacturing facilities are devoted exclusively to the production of oil burner equipment. Users range from many of the world's outstanding industries in America, Canada, Europe, Asia and South America to hundreds of thousands of consumers throughout United States.

Check these Silent Glow Progressive Rotation reasons. They provide you with all things automatic oil heat can give plus advantages only Progressive Rotation has created.



Model 6800
up to 20 gals.
per hour

Model 8800
up to 30 gals.
per hour

a new standard of combustion and quietness in large capacity installations

The quietness of these models provide
ideal equipment for

Churches
Libraries
Public Schools
Schools
Apartment Buildings
Large Homes
Small Hospitals
Stores
Office Buildings

The accomplishments of Progressive Rotation in the smaller capacities down to 1.35 gallons per hour are still more remarkable when oil burning problems up to 30 gallons per hour are presented.

Heretofore, this type of installation required great mass, ponderous operation and a sluggish performance. This was accompanied by a roar which prohibited installation in many places and in all other places is no longer necessary.

A new compactness, a new simplicity and Progressive Rotation performance is brought to the automatic oil burning fields in the larger capacities with a quietness of operation never before even remotely approached.

Our exterior illustration above and our interior engineering features illustrated at other points bring to you reasons why Progressive Rotation has met with such wonderful reception among engineers who are in position to provide unbiased opinion and among users who like the economy in operation and upkeep and this new found quietness in performance.

SPECIFICATIONS

Model	800	1800	2800	3800	6800	8800
Motor Splitphase longhour, 110 Volt 60 cycle A. C. 1750 R. P. M.	1/10	1/8	1/6	1/5	1/2	3/4
Pump, Rotary	same	same	same	same	same	same
Capacity	800 ft. steam or equivalent	1800 ft. steam or equivalent	2800 ft. steam or equivalent	3800 ft. steam or equivalent	6800 ft. Steam	8800 ft. steam
Filter	Detroit	Detroit	Cuneo	Cuneo	Cuneo	Cuneo
Ignition Two pole, hot Spark	same	same	same	same	same	same
Controls Minn. Honeywell R117 Relay Boiler or limit control Series 10 Thermo- stat	same	same	same	same	same	same

APPROVALS—Listed as Standard by Underwriters' Laboratories and approved by all leading State and Municipal Safety Boards or Fire Departments.

....Investigate Silent Glow Before you invest....

OIL BURNER SALES & SERVICE
844 BARONNE ST.
NEW ORLEANS, LA.

SILENT GLOW OIL BURNER CORPORATION

HEAD OFFICE AND FACTORY
 1477 PARK STREET
 HARTFORD, CONN.

BOSTON
 CHICAGO



Members: American Oil Burner Association Inc. Oil Heating Institute Zoro Patent Estate Tim-Tor Patent Estate

SPECIFICATIONS

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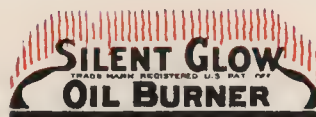
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